

MILLVILLE HIGH SCHOOL



“Home of the Thunderbolts”

**2014-2015 Course Description Booklet
9th Grade Supplement**

MILLVILLE HIGH SCHOOL

COURSE DESCRIPTION 9th GRADE SUPPLEMENT

2014-2015

TABLE OF CONTENTS

<u>Page(s)</u>	
3	Introduction
4	Schedule Design and Graduation Requirements
5	Graduation Requirements Table.....
6	High School Requirement Planning Chart
7	Additional Requirements.....
7	4-Year College Preparatory Curriculum
7	Change of Course Policy
8	Course Weighting System
8	Grade Point Average/Rank in Class
9	Athletic Eligibility Guidelines.....
9	N.J.S.I.A.A. Eligibility Requirements
9	Local Eligibility Standards (Millville School District)
10-13	Career and Technical Education.....
14	English
15-17	Fine and Performing Arts
18	Health and Physical Education
19	Mathematics
20	Science.....
20	Social Studies
21-22	World Language
23	AVID Program
23	Special Education

MILLVILLE HIGH SCHOOL MILLVILLE, NEW JERSEY

INTRODUCTION

Dear Parents and Students,

The Millville High School Course Description 9th Grade Supplement has been prepared to provide information and guidance in planning the student's high school program of studies. Please read the booklet carefully and feel free to contact the high school counselors with any questions that you may have.

One of the most important decisions that a student will make during his/her high school career is the selection of appropriate courses. The selection that a student makes should be given very serious consideration. These choices will undoubtedly influence the student's future educational goals more than any other decision. Before deciding on a course selection, please read the general graduation requirements and give special consideration to the student's personal goals, abilities, and motivation.

Please use the course prerequisites, which follow each course description and grade recommendations, as a guide to selecting courses. Students and parents should realistically evaluate the student's ability level before making course selections.

Any student whose parent or guardian presents to the school principal a signed statement that any part of the instruction in health, human development, sex education, or marriage and family living is in conflict with his/her conscience or sincerely held moral or religious beliefs, shall be excused from that portion of the course where such instruction is being given, and no penalties as to credits for graduation shall result. Those students who exercise this option will be assigned to the school library for independent study in Health Education.

It should also be noted that a 1987 State law makes mandatory the teaching of Drug Education to every student in New Jersey's schools. At Millville Senior High School and Memorial High School, all students receive a comprehensive health course every year. Ten hours of Drug Education is taught to all students each year.

Please feel free to contact the Guidance Department for help in the student's course decision-making process. The Guidance Office is open from 7:30 a.m. to 3:30 p.m. Monday through Friday; also, special evening hours are in place. The telephone number for the Senior High Guidance Department is (856) 327-6055, and the Memorial Guidance Office phone number is (856) 327-6083.

NOTE: In order for an elective course to be offered, sufficient student enrollment must occur. Therefore, even though a course may be listed in this book as an offering for the school year, the school district reserves the right to cancel a course if too few students elect to take it. Additionally, some courses listed in this book are pending Board of Education approval and possibly may not be offered.

MILLVILLE HIGH SCHOOL SCHEDULE DESIGN

Millville High School uses a 4 x 4 Block Schedule. This means that a typical student will have their schedule divided into 2 half year segments called semesters. During the first semester, or first half of the year, they will have 4 courses that will begin in September and conclude at the end of January. They will then start a new set of 4 courses that will begin for the second semester and end in June. Some students will have a variation of this if they are in a special program and may have a hybrid class that meets all year long. All courses for next school year are selected during the scheduling process when a student meets with a counselor this year. Completed schedules are mailed home typically during the 3rd week of August so that students will have them prior to the New Student Orientation which is held at the end of the summer. Below is an example of what a typical schedule will look like:

	Term Q1 (09/06/13-11/12/13)	Term Q2 (11/13/13-01/29/14)	Term Q3 (01/31/14-04/04/14)	Term Q4 (04/07/14-06/17/14)
HR	HRA102-1 Home Room A102 Room: A102	HRA102-1 Home Room A102 Room: A102	HRA102-1 Home Room A102 Room: A102	HRA102-1 Home Room A10 Room: A102
1	781-11 ELEMENTS OF ART Room: A201	781-11 ELEMENTS OF ART Room: A201	511-17 SPANISH 1 Room: A106	511-17 SPANISH 1 Room: A106
2	402-23 WORLD HISTORY CP Room: A109	402-23 WORLD HISTORY CP Room: A109	081-27 PHYS ED/HEALTH 9 Room: GYM	081-27 PHYS ED/HEALTH 9 Room: GYM
3	212-32 BIOLOGY 1 Room: B204 Lunch: A LUNCH 10:51 - 11:13	212-32 BIOLOGY 1 Room: B204 Lunch: A LUNCH 10:51 - 11:13	342-36 ALGEBRA 1 Room: A114 Lunch: C LUNCH 11:54 - 12:16	342-36 ALGEBRA 1 Room: A114 Lunch: C LUNCH 11:54 - 12:16
4	112-42 ENGLISH I CP Room: A213	112-42 ENGLISH I CP Room: A213	610-47 FINANCIAL LITERACY Room: A206	610-47 FINANCIAL LITERACY Room: A206

MILLVILLE HIGH SCHOOL COURSE GRADUATION REQUIREMENTS

Graduation requirements for the class of 2018 include successful completion of the following courses:

- 4 years of English
- 4 years of Health & Physical Education
- 3 years of History
- 3 years of Science (specific requirements listed in table on next page)
- 3 years of Mathematics (specific requirements listed in table on next page)
- 1 year of World Language
- 1 year of Fine/Performing Art
- 1 year of Practical Art
- 1 year of Financial Literacy

MILLVILLE HIGH SCHOOL GRADUATION REQUIREMENT TABLE

Below is a table displaying the course/credit requirements for Millville High School students. It is organized by the school year that a student begins 9th grade and reflects the changes implemented by the NJ Department of Education.

	Course and credit requirements for all students entering grade 9 in:					
	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
ENGLISH	20 credits (English 1, 2, 3, 4)					
MATHEMATICS	15 credits including Algebra I or the content equivalent (IMP program)		15 credits including Algebra I and Geometry or the content equivalent		15 credits including Algebra I and Geometry or the content equivalent and a third year of math that builds on the concepts and skills of Algebra and Geometry	
SCIENCE	15 credits including at least five credits in Biology		15 credits including at least five credits in Biology and one additional science course which shall include Chemistry, Environmental Science, or Physics		15 credits including at least five credits in Biology; an additional laboratory/inquiry-based science course including Chemistry, Environmental Science, or Physics; and a third laboratory/inquiry-based science course	
SOCIAL STUDIES	15 total credits including 5 credits each in World History, US History 1, US History 2					
FINANCIAL, ECONOMIC, BUSINESS, AND ENTREPRENEURIAL LITERACY	No state requirement		Financial Literacy/Business Principles			
PHYSICAL EDUCATION/HEALTH	5 credits of Physical Education/Health during each year of enrollment					
PRACTICAL ART (CTE)	5 credits					
VISUAL AND PERFORMING ARTS	5 credits					
WORLD LANGUAGES	5 credits					
TOTAL CREDITS	125					

HIGH SCHOOL PROGRAM PLANNER WORKSHEET

Use the following sheet when planning your high school course selections

In order to receive a diploma from Millville Senior High School, students must fulfill the minimum requirements established by the New Jersey Department of Education and the Millville Board of Education. To graduate from Millville Senior High School students must:

1. Pass all required state assessments
2. Earn a minimum of 125 credits
3. Fulfill all obligations (i.e. attendance, detentions, fines, etc.)
4. Pass the following courses

	Grade 9	Grade 10	Grade 11	Grade 12	Required Years for Graduation	Credits for Graduation
English					4	20
P.E./Health					4	20
Mathematics					3	15
Science					3	15
U.S. History					2	10
World History					1	5
World Language					1	5
Visual/Fine/ Performing Arts					1	5
Practical Arts					1	5
Electives – any combination of above					4	20
Financial Literacy					1	5
Total Credits						125

ADDITIONAL GRADUATION REQUIREMENTS

1. Any student who fails a required subject must pass the course before graduation. Failed Health and Physical Education courses should be taken during summer school (if summer school is offered).
2. No student shall participate in commencement activities until all requirements are met including any student who owes credit completion and/or financial obligations.
3. A full semester subject carries 5 credits.
4. It is essential that a student be aware of his/her current status. Guidance Counselors are available throughout the year to determine a student's exact number of credits. Please do not hesitate to contact the Guidance Office if there are any questions or concerns regarding the matter of course credits.

- Minimum required credits for grade level status
 - Sophomore – 25 credits
 - Junior – 45 credits
 - Senior – 75 credits

- Participation in grade level activities (i.e. proms/dances, class offices, class trips, etc.) will be determined by credits earned above.

4-YEAR COLLEGE PREPARATORY CURRICULUM

Most colleges require at least 16 **college prep** or **advanced classes** while in high school. The minimum high school units required are:

- English 4
- Mathematics 3 (Algebra 1, Geometry, Algebra 2 or higher)
- World Language 2 (3 or 4 years recommended)
- Laboratory Sciences 2
- Social Studies 2
- Academic Electives 3

Students are considered for college admission based on grades and strength of the program they have taken. It is recommended that students take the most challenging academic program in which they can be successful.

CHANGE OF COURSE POLICY

The Guidance Department will allow changes in course selections which are registered for until the 15th of July. The only exceptions to this will be where a student has registered for a sequence course and fails the prerequisite course. Students will be contacted by telephone/mail to see if they wish to repeat the failed subject or would rather select another one. ***Seniors who have met all graduation requirements (including passing the HSPA) may request a block 4 study hall if they intend to seek early release.***

Millville High School has developed the following school procedure on student schedule changes. Students are given an opportunity during the spring to choose courses under the supervision and counseling of our Guidance Department. After a tentative schedule is developed by the student and his/her counselor, the student signs the course selection sheet and is instructed to take it home to be reviewed and approved by his/her parents or guardian. The parents/guardians are asked to sign the course selection sheet and return it to the school within one week. If there are any questions, parents/guardians are invited to call the student's Guidance Counselor to review the schedule.

- 1) **In Advanced Placement courses and Advanced Level courses, due to limited enrollment and highly selective standards, once a student makes a decision to enroll, that student will not be permitted to drop the course.**
- 2) If a student requesting fourth block early release or a study hall has a conflict in his/her schedule, the Guidance Department reserves the right to change this request to alleviate the conflict.

If a student does withdraw from a class, the following consequences will appear on the Official Transcript:

First 15 days of the class: Course does not appear on the transcript

After the first 15 days: *WP (Withdraw Passing)

*WF (Withdraw Failing)

COURSE WEIGHTING SYSTEM

The weighting system developed by a cross section of school administrators, teachers, and students provides for half-weighted (0.5) and full-weighted (1.00) courses in our grade scale. Thus, students taking prerequisite courses to our most advanced courses (Advanced Placement courses) will receive benefit in their grade point average calculation. The following courses are included in the weighted system.

Science:	Half-Weighted Courses – Advanced Biology, Advanced Chemistry, Advanced Physics, Biology 2 Full-Weighted Courses – AP Biology, AP Chemistry, and AP Physics 1, AP Physics 2
English:	Half-Weighted Courses – Advanced English 1, Advanced English 2, Advanced English 3 Full-Weighted Course – AP English 4.
Math:	Half-Weighted Courses – Advanced Geometry, Advanced Algebra 2, Pre-calculus, Algebra 3/ Trigonometry, Statistics Full-Weighted Courses – AP Calculus I, AP Calculus II
Social Studies:	Half-Weighted Courses –Advanced US History 1, Advanced US History 2, Advanced World History Full-Weighted Courses – AP United States History, AP Psychology, AP Macroeconomics, AP -World History
World Lang.:	Half-Weighted Courses – Third year of World Languages Full-Weighted Courses- Fourth and Fifth year of all World Languages
CTE:	Half-Weighted Course – Accounting 3 Full Weighted Course – AP Computer Science
Fine/Perf. Arts:	Half-Weighted Course – Music Theory I Full Weighted Courses – AP Studio Art, AP Music Theory

GRADE POINT AVERAGE/RANK IN CLASS

A student's Grade Point Average (GPA) and Rank in Class are determined in the following manner:

QUALITY POINT (QP) SYSTEM

<u>Course Grade</u>	<u>Non-Weighted</u>	<u>Half-Weighted</u>	<u>Full-Weighted</u>
A+ 100-98	4.25	4.75	5.25
A 97-95	4	4.5	5
A- 94-92	3.75	4.25	4.75
B+ 91-89	3.25	3.75	4.25
B 88-86	3	3.5	4
B- 85-83	2.75	3.25	3.75
C+ 82-80	2.25	2.75	3.25
C 79-77	2	2.5	3
C- 76-74	1.75	2.25	2.75
D+ 73-71	1.25	1.75	2.25
D 70-68	1	1.5	2
D- 67-65	0.75	1.25	1.75
F 64-0	0	0	0

Students who receive a grade of 50 or lower for the first half of any course during the school year will receive a 50. During the second half of a course and on the final exam a student will receive their earned numerical grade.

The Total Quality Points received in each course are multiplied by the course's credit value. The Quality Points are totaled and divided by the number of credits attempted. This determines a student's GPA. Rank in Class is developed for all students based on the Grade Point Calculation – Highest to Lowest. All courses taken by the students are included in this process. This ranking is used primarily for college entrance applications. Grade Point Averages are used to reflect accurately, in class rank, the academic difficulty of a student's selected program of study and the student's degree of success during this course of study. Grade Point Average may be a factor used by the Guidance Department in scheduling decisions regarding overcrowded elective programs. Seniors' rank in class at the end of the 3rd marking period will be used for senior awards, senior-related programs, and during the Commencement Program.

ATHLETIC ELIGIBILITY GUIDELINES

All students are responsible for knowing the N.J.S.I.A.A. Eligibility Requirements pertaining to interscholastic sports. If a student intends to participate in any team sport at Millville Memorial High School or Millville Senior High School, he/she must obtain a copy of the New Jersey Interscholastic Athletic Association's Eligibility Requirements from the athletic director, school nurse, or coach of the sport in which he/she intends to participate. New Jersey Code now requires all candidates for an athletic team to have a physical examination prior to the first practice session. This includes anyone involved in weight training & conditioning, as well as any athlete participating in voluntary workouts or practices during the summer, under the supervision of a coach. The physical examination must be performed by the student's primary healthcare provider (M.D., D.O., Advanced Practice Nurse, or Physician's Assistant). The results of the examination must be recorded on the Millville High School Pre-Participation Physical Examination Form. These forms are available in the school nurse's office, the main office, or the athletic director's office.

The form must be completed and signed by the parent/guardian and must also be completed and signed by the primary healthcare provider (the healthcare provider's signature must be legible). Once the form is completed, it must be returned to the school nurse in order to be approved by the school physician.

Please schedule an appointment as soon as possible to ensure that your child is able to participate in the first scheduled practice.

Students choosing not to go to their primary physician may attend one of the free physicals offered by the school. The school nurse at the Senior High School is available to answer questions at 856-327-6046. The athletic director is also available to answer questions at 856-327-6059 option 4.

N.J.S.I.A.A. ELIGIBILITY REQUIREMENTS:

- 1) A student-athlete is eligible for only eight consecutive semesters from the date of his/her first entrance into ninth grade.
- 2) A student-athlete must not have reached the age of 19 prior to September 1st of the current school year to participate on the varsity or junior varsity teams. Freshman student-athletes must not have reached the age of 16 prior to September 1st of the current school year to participate on a freshman team.
- 3) To be eligible during the fall and winter seasons, a student-athlete must pass 25% of the State requirements for graduation (please see below).
- 4) To be eligible for the spring season, a student-athlete must pass 12.5% of the State requirements for graduation (please see below).
- 5) Any summer work (for make-up purposes) completed and approved by the school district before the sixth school day in the semester starting September, may be used for eligibility purposes.

The New Jersey State Board of Education has adopted revised regulations addressing high school graduation.

The following provides you with an annual breakdown of how this revision will affect scholastic eligibility (Article V, Section 4.E-N.J.S.I.A.A. Bylaws) for interscholastic athletics.

First Semester Eligibility (Fall & Winter Seasons): 10th – 12th Grade – Earned 30 Credits – Previous Year
9th Grade – Exempt from the Credit Rule

Second Semester Eligibility (Spring Season): 9th – 12th Grades – Earned 15 Credits – Previous Semester

LOCAL ELIGIBILITY STANDARDS (MILLVILLE SCHOOL DISTRICT):

We, at Millville Senior High School and Memorial High School, feel strongly that students should maintain a proper academic perspective throughout their high school years. Therefore, the following Local (Millville High School) Eligibility Standards are in place and explain the needs of athletes experiencing academic problems while participating in a sport:

- 1) **One course failure or one incomplete grade during a marking period:**
Athletic eligibility is to be determined by the head coach of the sport and the student athlete will be placed on probation (indefinite period at the coach's discretion).
- 2) **Two course failures or two incomplete grades (or any combination) during a marking period:**
The student athlete is automatically ineligible for one marking period until his/her grades becomes available or incomplete grades are made up satisfactorily.

Transfer students shall be subject to the above guidelines based on the transcript which is used to determine N.J.S.I.A.A. eligibility.

Student-athletes shall be in attendance at school by 9:09 AM in order to participate in practice or game scheduled for that respective day (Seniors with an Early Release must arrive by 7:40 AM).

CAREER AND TECHNICAL EDUCATION DEPARTMENT

The Career and Technical Education Department offers a wide variety of educational programs, which reflect the needs, standards, and aspirations of the students, parents, community, and potential employers. It is the goal of the CTE Department to provide students with the necessary marketable skills and training to function in a competitive, modern society. These skills in business, technology, or vocational education will assist students in their endeavors to pursue post-secondary opportunities.

NOTE: The Career and Technical Education Department has also established Dual Credit and Tech. Prep. articulation agreements with several colleges, including Cumberland County College and Camden County College. Dual credit courses are college courses taught on the high school campus by high school teachers. Students who participate in the dual credit option are required to pay college tuition costs, which are offered at a reduced rate. Those who choose to take advantage of the dual credit opportunity and pass the college course will receive credit towards high school graduation requirements, as well as college credit from the partnering post-secondary institution simultaneously. Dual credit students also receive an official college transcript from the post-secondary school.

Tech. Prep. programs offer high school students an opportunity to earn college credits if they plan to major in that course, and pursue post-secondary education at the articulated college. To be eligible for Tech. Prep. credits, students must matriculate into a degree program at the community college within 18-months following graduation from high school. The Tech. Prep. classes taken in high school must be in the same declared degree program to qualify. Both of these agreements enable students to obtain college credit for skills and proficiencies mastered at the high school level. Students should consult their guidance counselor for class selections that will increase his/her educational options.

FINANCIAL LITERACY *Required for Graduation

5 CREDITS

Students will receive practical information and skills related to career choices and living on one's own. Personal management skills related to paychecks, income taxes, insurance, and credit will be studied. Students will also learn to recognize and develop traits crucial to the workplace environment, such as employer expectations, compromise, attitude, and getting along with co-workers. Included with the curriculum are presentations from recognized speakers representing a variety of careers, and on-line simulation known as Virtual Business. ***This is a required course for graduation**

ACCOUNTING I

5 CREDITS

Students are introduced to basic concepts and practices of accounting and double-entry bookkeeping. Actual business transactions are analyzed and their entry into financial records is demonstrated. Accounting will allow the student to build upon math skills while learning overall accounting concepts, principles, and automated accounting procedures.

Successful completion of this course will entitle students to receive credit at Cumberland County College through the Tech. Prep. Program.

ACCOUNTING II

5 CREDITS

This course is the next level in the accounting process and is designed to give increased technical competence to students who have an interest in becoming more proficient in accounting. The content of this course includes an interpretation of payroll records, government reports, inventory control, tax accounting, and financial statements for a partnership. Students will be instructed on how to utilize the computer in solving accounting problems. No previous computer knowledge is required. Calculators are

used throughout the course. **Successful completion of this course will entitle students to receive credit at Cumberland County College through the Tech. Prep. Program.**

Prerequisite: Successful completion of Accounting I

INTRODUCTION TO BUSINESS

5 CREDITS

Introduction to Business is an introductory business course which presents students with various aspects of the business world and prepares them for the workforce. Principles of financial, economic, business, and entrepreneurial literacy are presented. Students learn about the economy, how businesses satisfy the wants and needs of consumers, business ethics, entrepreneurial and marketing education, and social responsibility. This course outlines types of businesses, ownership, organizational structure, and technology's impact on business. It identifies the various groups that affect business, government, financial institutions, and different nations, as part of our global economy. Introduction to Business prepares students for the workforce by introducing how businesses handle human relations and cultural differences. It shows how businesses manage financial and technological resources. In addition, this course outlines how one develops a personal financial/career plan and actually obtains employment. It encourages students to become educated consumers and responsible citizens. Introduction to Business is a prerequisite for Entrepreneurship I

ENTREPRENEURSHIP I

5 CREDITS

Do you want to own your own business or be your own boss? If so, Entrepreneurship I will present both the excitement and challenges of being an entrepreneur. Students will learn how to go into business for themselves and what characteristics are needed to be successful. Research, planning the venture, and preparing a business plan will enable you to better understand the market. Students will be able to select the form of their business organization, location, financial planning, and administration of the company using a program called Virtual Business. The uniqueness of each small business and the steps to earning a profit are emphasized. Last, this course will discuss possible marketing and promotion strategies that encourage profit, as well as how to outsmart the competition.

Prerequisite: Successful completion of Introduction to Business.

REQUIREMENTS FOR COMPUTER SCIENCE

This technical computer program of study includes a lot more than computer programming skills, although programming does play a very important role. Problem-solving skills receive emphasis from the first day of class. The goal is to learn to use the computer as a tool to solve science, mathematical, and related problems.

COMPUTER SCIENCE I

5 CREDITS

Students who elect this course will have an introduction to object-oriented computer programming through the study of Microsoft's Visual Basic.NET programming language. This course will emphasize good programming practices and will give students the foundation to produce well-written Windows applications. The basic concepts and methods of object-oriented programming will be presented along with the fundamentals of the VB.NET Integrated Development Environment. Students will be acquainted with the three-step process of building Windows applications. Students will complete practical problem-solving scenarios that will illustrate good application building techniques. Students will take advantage of the many capabilities of building applications in a graphical environment. Upon completion of this course, students will have a firm knowledge and understanding of Microsoft Visual Basic.NET and will be able to develop a wide variety of Windows applications.

COMPUTER SCIENCE II

5 CREDITS

Students will continue with their study of computer programming through the introduction of the Java programming language. This course emphasizes object-oriented programming practices and will give students the foundation to produce well-written console applications implementing BlueJ and Eclipse. The thrust of object-oriented programming includes classes and methods, in addition to concepts such as encapsulation, polymorphism, and inheritance. Students will complete practical problem solutions that will illustrate good application building techniques. Upon completion of this course, students will have a firm knowledge and understanding of Java.

Prerequisite: Successful completion of Computer Science I

DIGITAL DESIGN I

5 CREDITS

Computer skills are an essential and integral part of the 21st Century. Digital Design I is a first level, five credit course that will provide students the opportunity to grasp the basics necessary to creating, enhancing, and publishing professional documentation. Through progressive and interactive exercises students will learn programs such as In-Design and Publisher and how to work and print documents, text, and objects, while acquiring the ability to enhance varying publications.

DIGITAL DESIGN II

5 CREDITS

Digital Design II is a course which will acquaint students with graphic design techniques, principles of page layout and design, and desktop publishing terminology and applications using programs such as In-Design, Publisher, and Illustrator Photo Shop. Students will create a variety of documents such as flyers, brochures, newsletters, and student business cards using industry-standard desktop publishing software, graphics, and designs. This course will provide students with entry-level skills.

Prerequisite: Successful completion of Digital Design I.

JOURNALISM I: NEWSPAPER

5 CREDITS

This course is designed to combine journalistic theory and practice. Students will be expected to write publishable articles for the Millville High School newspaper, *The Tattler*. In addition to the writing of news articles, a number of tests and projects will be required of all students in this course.

Prerequisite: A grade of “C” or better from the previously taken advanced or college preparatory level English course is strongly recommended.

MICROSOFT OFFICE I

5 CREDITS

Microsoft Office I incorporates the four primary software applications of Microsoft Office 2010, in addition to a career component. Learning Microsoft Office provides the fundamental computer skills for students to be successful both in the workplace and in college courses that demand top, computer technology skills. Students will also participate in career exploration where they will create their own resume or qualifications brief; perform a job search using the Internet; compose a letter of application; become familiar with the interview process, and compose a follow-up letter. This employment simulation will prepare students for full or part-time employment.

Successful completion of this course will entitle students to receive credit at Cumberland County College through the Tech. Prep. Program.

MICROSOFT OFFICE 2

5 CREDITS

Today’s job market and college courses demand top computing skills in Microsoft Office. Learning Microsoft Office 2010 can help students in today’s tough job market or to meet with success in college

courses that require computer skills. Students will become proficient in Microsoft Word—a word processing program that creates documents such as letters, reports, essays, and memos; Excel—a spreadsheet program that organizes, analyzes, and attractively presents data such as a budget or sales report; Access—a database program that stores and manages large collections of information; and PowerPoint—a program that designs professional presentations. These integrated programs can be used separately or together to create professional-looking documents and manage data.

Successful completion of this course will entitle students to receive credit at Cumberland County College through the Tech. Prep. Program.

Prerequisite: Successful completion of Microsoft Office I

WEB DESIGN I

5 CREDITS

Web Page Design I is a course that offers an introduction to Dreamweaver and creation of websites. No mathematics beyond the high school freshman level is required. The course is intended to teach students how to use Adobe Dreamweaver, expose students to proper website design and management techniques; acquaint students with the proper procedures to create websites; develop an exercise-oriented approach that allows learning by doing; introduce students to new input technologies; encourage independent study, and help those who are working alone.

COMPUTER AIDED DRAFTING & DESIGN (CADD) I

5 CREDITS

Computer Aided Drafting and Design (CADD) I is designed to give students a background in drawing as it relates to specialized technical areas. This course proves valuable to students who plan to specialize in drafting, as well as in various fine arts, industrial arts, academics, and technological programs. CADD I gives the student his/her first experience in using basic drafting instruments. The concept of scale drawing is developed and geometric constructions, orthographic projection, and pictorial drawing are also taught to the students. The program establishes the groundwork for more advanced drawing and will serve as a useful first step to a career in computer design, technical illustration, commercial art, or engineering. Computer aided drawing is also explored in this course.

Students will learn basic functions of the following software:

- A+CAD (CADD Fundamentals)
- ArchiCAD by Graphisoft (BIM/Building Information Modeling-Architecture) is the most complete and flexible design solution in the BIM category and is used by 60% of the top architectural schools in the United States.
- Blender. Students will see a brief overview and demonstration of Blender and the Blender Creation Studio software which develop functioning video games, architectural rendering, and animated films.
- Google SketchUp with Photo Real Rendering (Design Conceptualization) is used by more than half of the top 150 largest AEC firms in the world and it is the leading sketching and visualization software.
- Solidworks (Mechanical Engineering) is the standard for mechanical parametric modeling and is used by more than 85% of the world's top-ranked engineering institutions worldwide.

Successful completion of this course will entitle students to receive credit at Cumberland County College through the Tech. Prep. Program. Second semester sophomores, juniors, and seniors may be eligible to earn dual credit at Cumberland County College upon the successful completion of this course.

ENGLISH

Note: Four years of English are required for high school graduation.

COLLEGE PREP ENGLISH I

5 CREDITS

Summer assignments are required for this course and will be distributed the preceding school year. This course is for freshmen who wish to attend two-year colleges, four year colleges or technical schools. This course surveys several popular and thought-provoking themes for increasing reading skills. Vocabulary and textbook materials develop reading and writing skills which will promote success on the PARCC, and career and life choices. Units and materials are arranged so that the student can understand, as well as enjoy, what he/she reads. Attention is also given to literary elements, various literary genres, public speaking, research paper writing, cooperative learning and writing assignments which are geared to both the PARCC and career choices. Written composition, internet research, and discovering library resources are other activities which are also utilized. Developing academic rigor, student-centered initiatives, high level thinking skills, and intellectual curiosity is stressed. **Students are required to participate in summer reading programs prior to entering the class. It is the student's responsibility to complete the accompanying assignments.**

Graduation Requirement Fulfilled: English

ADVANCED ENGLISH I

5 CREDITS

Half-weighted Course: This course is recommended for freshmen who wish to attend four year colleges. This course provides accelerated work in all areas of the English curriculum, particularly in composition, vocabulary, and grammar. In addition, several other literary works and the course text are required readings, along with intensive reading comprehension, vocabulary skills, essay revision, research and written composition work. The course is designed to challenge students who are particularly interested in reading, writing skills, and literature. Developing academic rigor, student-centered initiatives, and intellectual curiosity is stressed. Advanced English courses are weighted and accelerated level classes with rigorous standards which demand a serious academic approach to learning and a dedicated work ethic from their students. **Students are required to participate in summer reading programs prior to entering the class. It is the student's responsibility to secure these materials and complete the accompanying assignments. English teacher recommendations are necessary for admittance into this course.**

Prerequisites: A grade of "B" or better from the previously taken advanced level English course is strongly recommended.

Previous English teacher recommendation.

Graduation Requirement Fulfilled: English

FINE AND PERFORMING ARTS

****ANY COURSE LISTED IN THIS SECTION WILL FULFILL THE FINE AND PERFORMING ARTS GRADUATION REQUIREMENT****

To receive a passing grade for any of the following courses, a student must: keep regular attendance; adhere to school and classroom rules; and complete all assigned projects, papers, and tests; have a cooperative and positive attitude in class; properly use and care for materials and equipment; carefully follow all instructions; and exercise a creative imagination. In addition, written examinations are given each marking period.

ELEMENTS OF ART

5 CREDITS

This course emphasizes and consists of studying the elements of art as found in a variety of forms including: drawing, painting, illustration, design, 3-D construction and similar hands-on projects. Elements of Art is also a study of art history and cultures. All students will acquire knowledge and skills that refine their perceptual, intellectual, physical and technical skills while increasing their aesthetic awareness. They will also acquire knowledge of the critiquing process. Those students with an interest in the arts, that have a background in fine art and are willing to do the work to become better artists, are encouraged to enroll in this course. Grading is based upon work skills, willingness to work, attendance, class participation, textbook work, written critiques, marking period quizzes, final exam, meeting objectives of the lessons and completion of all art projects. Students are expected to demonstrate self-management.

COURSE REQUIREMENTS FOR BAND MEMBERS

The following criteria for students enrolled in Band are as follows: (1) daily attendance; (2) attitude and participation in class; (3) performances and rehearsals; (4) attendance at all band functions; (5) periodic grading on assignment music; (6) periodic homework; (7) written final exam; and (8) responsibility for all assigned uniforms, music, and equipment.

CONCERT BAND (9-12)

5 CREDITS

This band is a preparatory course for Wind Ensemble. This course will include all students not selected for Wind Ensemble. This course meets on a semester basis during the school year. Students must demonstrate a certain proficiency level on a wind or percussion instrument and are seated in the organization based on proficiency and director recommendation. Once assigned a position, the student has the prerogative to challenge for a higher seat. Standard band literature is performed several times during the year. Students may have the opportunity to take part in school assembly concerts, field trips, critiqued festivals, adjudicated performance, workshops and other activities which will refine their perceptual, intellectual, physical and technical skills in music. An overview of music theory fundamentals is studied as well.

JAZZ ENSEMBLE (9-12)

5 CREDITS

This course meets every other day throughout the school year. Students must be proficient on a wind, string (guitar or bass), or percussion instrument. The ensemble will rehearse Jazz literature, with emphasis on rhythmic styles and development on improvisation techniques. An in-depth study of Jazz history, styles, and performers is also a part of this course. **AN AUDITION IS REQUIRED FOR ADMISSION INTO THIS COURSE.**

COURSE REQUIREMENTS FOR CHORAL MEMBERS

The following criteria for students enrolled in the choral program will be a combination of the following: periodic testing of vocal parts; a weekly performance grade based on regular attendance and active participation in class; attendance at rehearsals and concerts; written tests based on class lectures; responsibility of assigned music and choir uniforms; and proper behavior. A final exam will be given in this course. A student's failure to adhere to one or more of the above rules may result in dismissal from the choral program.

CHORUS (9-12)

5 CREDITS

This course meets on a daily basis and is open to any student who is interested in singing all styles of music. Students taking this course are expected to learn, sing, and memorize music with emphasis on correct choral fundamentals. Attendance in class, possible after school rehearsals, and one evening concert is mandatory for all students. Each student is evaluated on the music he/she learned in class and is responsible for completing all assignments as they relate to the class. Each student is expected to actively participate in class by singing, answering questions, and following directions. There may be written tests on music fundamentals, and also vocal testing on music. Each student is assigned sheet music and a music folder which he/she is responsible for the entire school year. Grading will be based on a weekly participation grade and periodic testing of vocal parts.

SELECT CHOIR (9-12)

5 CREDITS

This class meets every other day throughout the year. **STUDENTS ARE SELECTED BY AUDITIONS ONLY!** Select Choir is an integral part of the Fine and Performing Arts Department. Students selected for this specialized choral performing organization perform frequently for various community groups, as well as scheduled concerts throughout the school year. Students will have the opportunity to sing and expand their musical knowledge through the study of a variety of standard choral literature.

COURSE REQUIREMENTS FOR MUSIC

To receive a passing grade for any of the following courses, a student must: keep regular attendance; adhere to school rules and rules of the music room; complete all assigned projects, papers, and tests; have a cooperative and positive attitude in class; properly use and care for materials, instruments and equipment; and carefully follow all instructions. In addition, written examinations are given throughout the course.

MUSIC APPRECIATION (9-12)

5 CREDITS

This course is a basic music skills and appreciation course that will cover the fundamentals of music and discuss how music has evolved into the many different genres that it includes today. Topics to be covered are; how to read music, the history of music, learning how to play various instruments, analyzing different composers/song writers, dance, current events, basic piano and discussing music technology. Various different texts will be used as well as internet software and musical scores. **NO MUSICAL BACKGROUND IS REQUIRED.**

MUSIC THEORY 1

5 CREDITS

Half-Weighted Course: This course is available to those students who are interested in studying music as it relates to the following criteria: ear training, sight-reading, sight-singing, identity of the staff, notes, and different elements of music with a strong emphasis on piano; analysis of music, identity of chords, choral structure, and why music moves the way it does.

Prerequisite: Introduction to Music, Music Appreciation, or 2 years' experience in choir, band or teacher recommendation.

HEALTH AND PHYSICAL EDUCATION

HEALTH & PHYSICAL EDUCATION

5 CREDITS

The Health & Physical Education Curriculums has recently been revised and approved by the Millville Board of Education. The Health & Physical Education Curriculum was developed in accordance with the Millville School District policies, as well as the New Jersey Core Content Standards for a Comprehensive Health & Physical Education Program.

In the state of New Jersey, Health & Physical Education is a graduation requirement. Students are required to pass a Health & Physical Education course for every year they are enrolled in high school. At Millville High School, students are permitted to take only one Health & Physical Education course per school year. At the end of the course, each student will have shared an equal amount of time in both the Health and Physical Education settings.

The Health Curriculum is divided into nine major units (sophomores cover ten major units). The nine major units all students will receive instruction include, Mental & Emotional Health, Nutritional & Consumer Health, Family & Social Health, Community & Environmental Health, Personal Health & Fitness, Growth & Development, Substance Abuse, Diseases & Disorders and Safety & First Aid. In addition to these units, all sophomores will receive instruction in Driver Education. At the completion of the Driver Education unit, students will receive a certificate of completion for Classroom Driver Education.

The Physical Education Curriculum has a major focus in the areas of fitness and exercise. Students will participate in a variety of units that promotes physical activity throughout a lifetime. These lifelong activities include (but are not limited too) circuit training, resistance training, cardiovascular fitness training, team games, and various other lifelong activities (ex. golf & tennis). All Physical Education classes are co-educational and are often a cross section of the various grade levels.

Every effort will be made by the physical education staff to have all students participate in the regular program. A student who is medically excused must have a prescribed form signed by their doctor indicating the activities in which they can participate (i.e. walking, weight training, etc.). If the written notification does not allow for any activity, the student will be required to do a written assignment per day on activities given by the teacher to receive credit for the course. Failure to comply will result in no credits being issued.

Final Grades are determined by a combination of a student's Health Grade (40%), Physical Education Grade (40%) and a Comprehensive Final Exam (20%). All grades are determined by using the approved District Grading Scale.

Graduation Requirement Fulfilled: Health and Physical Education

MATH

NOTE: A minimum of 3 years of Math is required for high school graduation. Students are required to take a math course their junior year, regardless of whether they have met the three year requirement or not.

ALGEBRA I

5 CREDITS

This course is offered in high school as the first part of a three-year sequence of courses which satisfies both the NJ Mathematics and traditional college entrance requirements. This course covers the basic essentials of elementary algebra up to the solution of the quadratic equation. Extensive coverage is given to the area of written problems throughout the course. The student is expected to do homework assignments and to seek additional help from the teacher when experiencing difficulty. The student's grade is determined by various class activities, frequent tests and quizzes, and a final examination at the end of the semester. This course has been updated to be in alignment with the new Common Core standards for Mathematics.

Graduation Requirement Fulfilled: Algebra I

GEOMETRY

5 CREDITS

This course is offered in high school as the second part of a three-year sequence of academic courses which satisfies both the NJ Mathematics and traditional college entrance requirements. The content of this course is centered upon problem solving involving the basic figures of Plane Geometry, such as the triangle, quadrilateral, and circle. Solid figures are also included if time permits. Great stress is placed on student responsibility. The student is expected to do a large amount of homework and to seek additional help from the teacher when experiencing difficulty. The student's grade is determined by various class activities, frequent tests and quizzes, and a final examination at the end of the semester. This course has been updated to be in alignment with the new Common Core standards for Mathematics.

Prerequisite: Successful completion of Algebra 1

Graduation Requirement Fulfilled: Geometry

ADVANCED GEOMETRY

5 CREDITS

Half-Weighted course. A good understanding of Algebra I is required. This course covers the basic elements of Euclidean geometry, stressing the modern approach to logical analysis. Basic measurements used for Solid Geometry and Trigonometry will be included. Geometry offers a balance of theory and applications; lessons include deductive reasoning and inductive reasoning. This course will cover additional material and move at a faster pace than Geometry. This course has been updated to be in alignment with the new Common Core Content standards for Mathematics. **Summer work is a part of this course and will be distributed prior to the end of the preceding school year.**

Prerequisite: A grade of a 'B' or better in Algebra 1.

Graduation Requirement Fulfilled: Geometry

SCIENCE

COURSE REQUIREMENTS FOR SCIENCE

New Jersey has instituted specific course requirements for all high school students. Additionally, there is an end of course assessment for all students in biology.

BIOLOGY I

5 CREDITS

This course will introduce students to many important aspects of life science. Major topics covered are: cell structure and function, the classification of living things, how organisms carry on life processes, heredity, disease, and ecology. Students will be actively involved with hands-on activities and laboratory activities for each of the major topics. Laboratory work includes the observations of various organisms, making and studying microscope slides, along with a variety of other activities including discussion and research of controversial topics.

Graduation Requirement Fulfilled: Biology

ADVANCED BIOLOGY I

5 CREDITS

Half weighted course. This course is offered only to students recommended by their 8th grade science teacher. Advanced Biology I is an academic course for students who have demonstrated an above average aptitude or interest in science during the elementary school years. Advanced Biology covers all the areas listed for Biology I as well as additional laboratory and research experiences. Students are required to complete long term research and experiments.

Graduation Requirement Fulfilled: Biology

SOCIAL STUDIES

Note: Three years of history are required for high school graduation.

CP WORLD HISTORY

5 CREDITS

This course is designed for students to gain an understanding of the social, political, economic, religious, and military characteristics of various civilizations and relate it to contemporary times. Areas covered include: the importance of studying history, impact of change on society, human need for power and control, the connection between geography and history, how the Enlightenment ideas lead to Revolution, impact of change on society and culture, effects of nationalism on consolidation of governments, significance of World Wars, impact of globalization on individual nations, causes and effects associated with Indian independence, and contemporary issues in Europe, North America, Latin America, Africa, Middle East, and Asia. Grades are calculated by class participation, tests, homework/class work assignments, essays, projects, and computer labs.

Graduation Requirement Fulfilled: World History

ADVANCED WORLD HISTORY

5 CREDITS

Half-weighted: In addition to the CP World History requirements, this curriculum will be taught at a higher level of rigor with more writing, independent reading, and projects required. **Summer assignments are required for this course and will be available online.**

Prerequisite: "B" average or better in previous social studies course.

Graduation Requirement Fulfilled: World History

WORLD LANGUAGE

NOTE: ONE (1) year of a world language is required for high school graduation.

FRENCH I

5 CREDITS

The aim of this college preparatory course is to begin teaching the students to read, write, understand, and speak the French language. Fundamental French grammar is taught, as is good pronunciation. Students will study France's history and customs. Students are expected to use the French language every day in all four ways: reading, writing, speaking, and comprehension.

Graduation Requirement Fulfilled: World Language.

FRENCH II

5 CREDITS

This college preparatory course continues to expand and refine the language skills taught in French I. Emphasis is placed on listening, speaking, reading, and writing the French language with improved understanding. The student will also increase his/her knowledge of France as a nation, including its geography and culture.

Prerequisite: Successful completion of French I with a "C" average or better.

GERMAN I

5 CREDITS

This college preparatory course aims at teaching the student to read, write, speak, and understand the German language. Pronunciation of the German language is emphasized in this course, as well as the basic grammar. In the process of developing the aforementioned language skills, students will learn much of the culture of the German-speaking societies.

Graduation Requirement Fulfilled: World Language

GERMAN II

5 CREDITS

In this college preparatory course, the language skills learned by the students in German I are refined and expanded. Emphasis is placed on students learning to understand, speak, read, and write the German language. Students will also be introduced to widening aspects of the German culture. Greater facility with and working knowledge of the German language are goals of this course.

Prerequisite: Successful completion of German I with a "C" average or better.

LATIN I

5 CREDITS

This course is an introduction to the Latin language. Students will learn the basic elements of the language through the completion of the seven thematic units outlined in the New Jersey Department of Education's Model Curriculum for World Language. These units (All About Me; School Days; Home, Sweet Home; Food, Glorious Food; Celebrations!; Migratory Animals; and Going Green) will teach students about Roman culture using authentic songs, texts, and regalia. Since a majority of the words in English come from Latin, the course will help the student develop a better vocabulary and help them improve their performance in other subjects and on standardized tests such as the SATs.

Graduation Requirement Fulfilled: World Language.

SPANISH I

5 CREDITS

This college preparatory course brings about a simultaneous development of an active mastery of basic vocabulary; a fundamental ability to understand, speak, read, and write the Spanish language; and an appreciation of the Spanish culture and civilization. Conversational grammar is presented in this course to facilitate earlier skills in self-manipulation of the new language. Pronunciation drills are integrated with language learning for developing a natural and good accent. Audio-lingual success is brought about

by the frequent practice of patterns and dialogue. The reading of Spanish history, literature, and customs; the music from Spain and Latin American countries played in class; and the activities planned by the International Club will develop a greater feeling for learning the language well as a better understanding of the Spanish way of life.

Graduation Requirement Fulfilled: World Language

SPANISH II

5 CREDITS

This college preparatory course endeavors to reinforce the basic fundamentals of the language learned in Spanish I. The cultural advantages of the study of Spain and Latin American countries are also stressed at this level.

Prerequisite: Successful completion of Spanish I with a "C" average or better.

SPECIAL EDUCATION

The administration and staff of Millville Memorial High School and Memorial High School recognize that students with disabilities require special programs based on their abilities, interests, and needs. It is our conviction that all students should be provided with the experiences necessary to develop their intellectual, vocational, and social competencies so that they may become productive and independent citizens.

Our special education staff provides programs for classified students which support the diagnostic prescriptions of the Child Study Team as reflected in Individualized Educational Plans (IEPs). Resource room replacement programs are offered in Language Arts, Mathematics, Science, and Social Studies. In-class support teachers help classified students to be successful in the general education environment. Supplemental instruction is offered as a support for students with disabilities who are mainstreamed in any core content area; assistance is provided with classwork, homework, organizational skills, and test preparation. Whenever possible, students with disabilities are mainstreamed to promote their academic, social, and emotional growth.

Every effort is made to educate all students in the least restrictive and most appropriate environment.

SPECIAL PROGRAMS

READ 180

Students with reading achievement levels that are identified as less than proficient are eligible for the READ 180 class. READ 180 is a comprehensive reading intervention program which addresses literacy gaps by directly focusing on individual needs through instructional software, high-interest literature, and direct instruction in reading skills. Remediation is delivered through individualized, self-paced reading instruction with continuous assessment in the areas of fluency, vocabulary, comprehension, spelling, and writing.

Graduation Requirement Fulfilled: English and History requirement for identified students only
Grades 9-12

AVID (ADVANCEMENT VIA INDIVIDUAL DETERMINATION)

5 CREDITS

The AVID course is an elective class for students grades 9-12 who are college bound, focusing on college readiness and preparation for success in college. While concurrently enrolled in a college-prep/advanced course of study, students learn strategies to enhance academic success in rigorous coursework. Students work collaboratively in tutor-led groups which reflect student study groups in college. Note-taking, writing, speaking, reading, and test-taking skills are strengthened through various strategies presented to the students. In addition, the course includes college visits, motivational activities, and family/community events. The AVID curriculum focuses on Writing, Inquiry, Collaboration, Organization and Reading (WICOR) through the AVID High School Libraries in both teacher and tutor led activities. In the junior year students begin to narrow their focus on a potential college major as well as potential schools of interest. Students interested in the AVID program should have a 2.0-3.5 GPA, no discipline problems, and good attendance. Students should also be dedicated to continuing their education at a four-year college or university after graduation. Interested students will be interviewed by the AVID selection committee during the early spring – prior to the start of the course selection process.